

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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SECRETARY

JOHN AUERBACH
COMMISSIONER

12/21/2011

Elle Rackemann
Assistant District Attorney, Suffolk County

Dear ADA Rackemann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Della Saunders was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Maintenance and repairs of all analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts



DRUG RECEIPT

CC # [REDACTED]
BOOK # 66
PAGE # 58
DESTRUCTION # _____

District/Unit D-4 DCU
Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	<u>Boston</u>	<u>MA</u>
[REDACTED]	[REDACTED]	<u>Boston</u>	<u>MA</u>

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY	
		GROSS WEIGHT	ANALYSIS NUMBER
<u>White rock (crack cocaine)</u>	<u>1 Loose Rock</u>	<u>1.47g</u>	[REDACTED]

To be completed by ECU personnel only

Name and Rank of Submitting Officer [Signature] ID# 11292
Received by [Signature] Date 10/27/10
ECU Control # _____

No. [REDACTED] Date Analyzed: 01-19-11
City: Boston D.C.U. Police Dept.
Officer: P.O. KEITH BUTLER
Def: [REDACTED] *use*

Amount: Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 10/27/2010

No. Analyzed:

Gross Wt.: 1.47

Net Weight: *0.08g*

Tests: *7* *PSB*

2ASD

(K) Prelim: *cocaine*

Findings: *cocaine*

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston DLU

ANALYST

ASD

No. of samples tested: _____

Balance VOK 11/14/11
Mettler 1117461624

Evidence Wt.

1.4818g

PHYSICAL DESCRIPTION:

off-white chunky substance contained
loose in one clear sealed, initialed plastic bag

Gross Wt (): _____

Gross Wt (): 1.4818g

Pkg. Wt: 1.3980g

Net Wt: 0.0838g

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (H₂O) +
Marquis —
Froehde's —
Mecke's —

Microcrystalline Tests

Gold
Chloride +
TLTA (H₂O) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

cocaine

DATE

1/14/10

GC/MS CONFIRMATORY TEST

RESULTS

cocaine

MS
OPERATOR

ASD

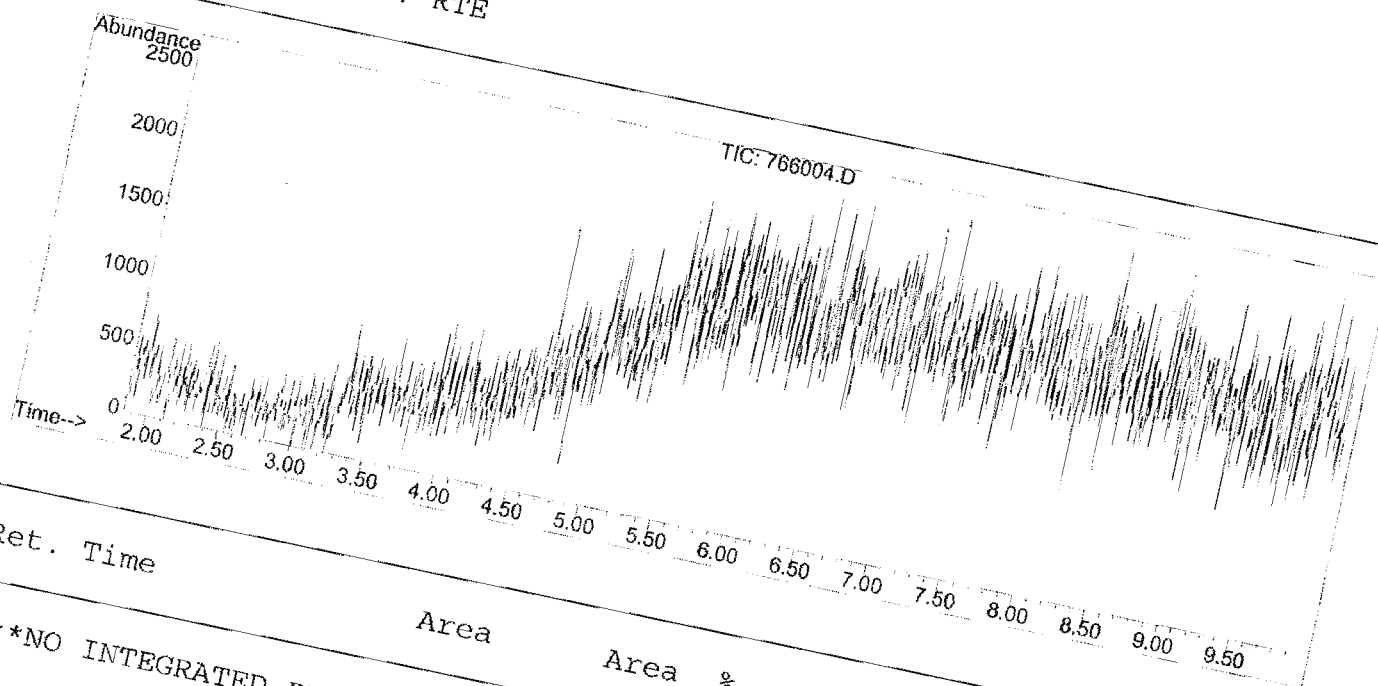
DATE

1/19/11

Area Percent / Library Search Report

Information from Data File:
 File Name : D:\SYSTEM4\01_18_11\766004.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 12:39
 Sample Name : BLANK
 Submitted by :
 Vial Number : 1
 AcquisitionMeth: DRUGS
 Integrator : RTE

✓ ASD
12-21-11



Ret. Time	Area	Area %	Ratio %
NO INTEGRATED PEAKS			

766004.D

Tue Dec 20 10:47:01 2011

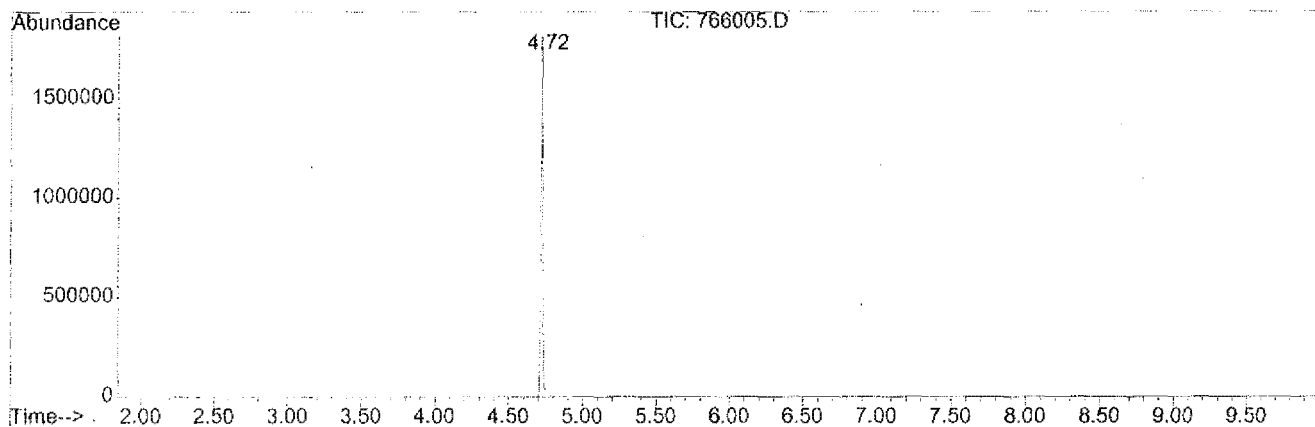
Page 1

Folk_OIG_PRR_029076

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766005.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 12:53
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.721	1664971	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

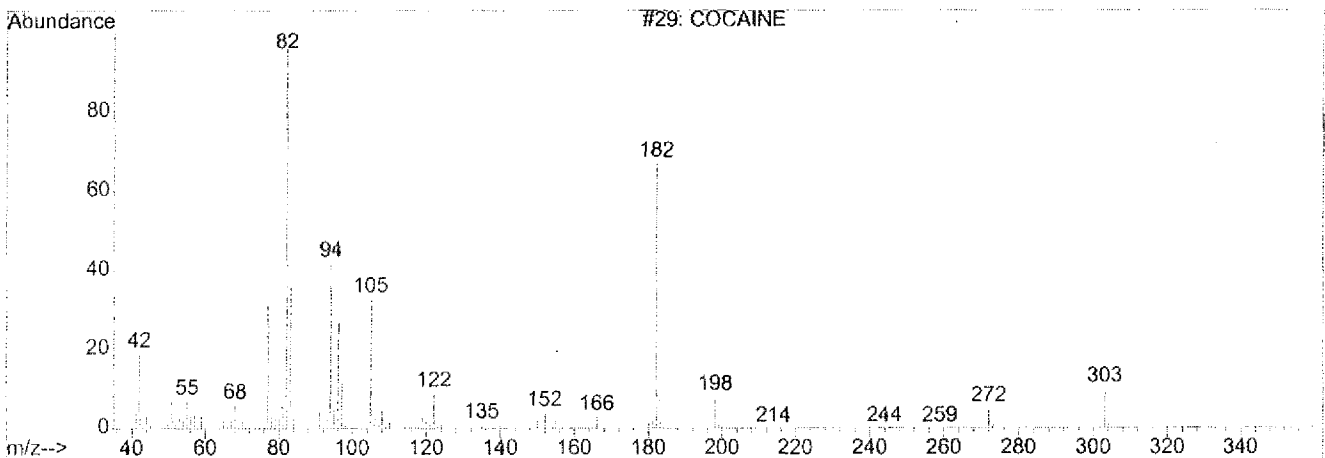
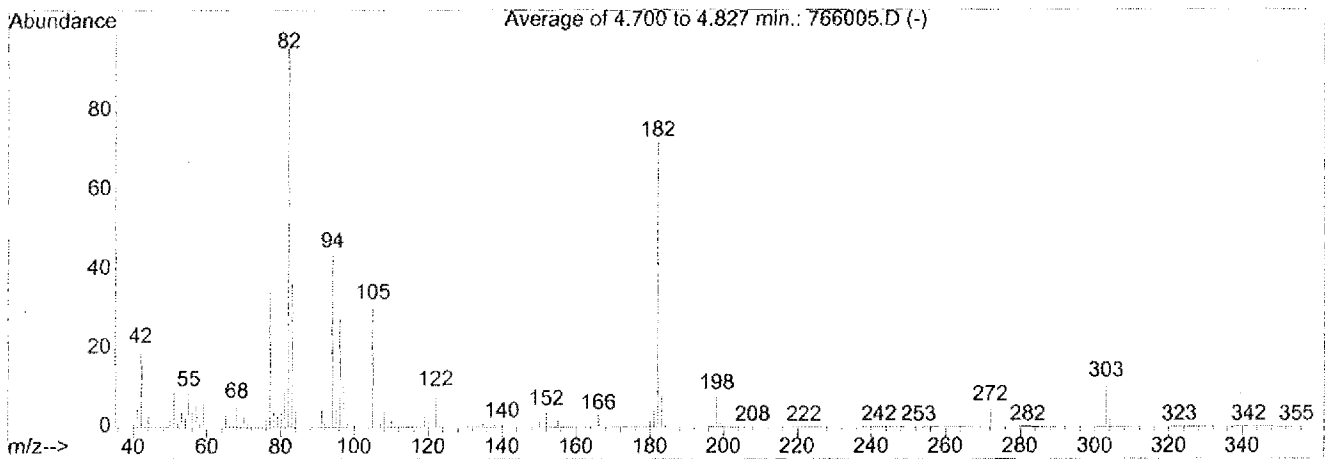
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Date Acquired   : 18 Jan 2011  12:53
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

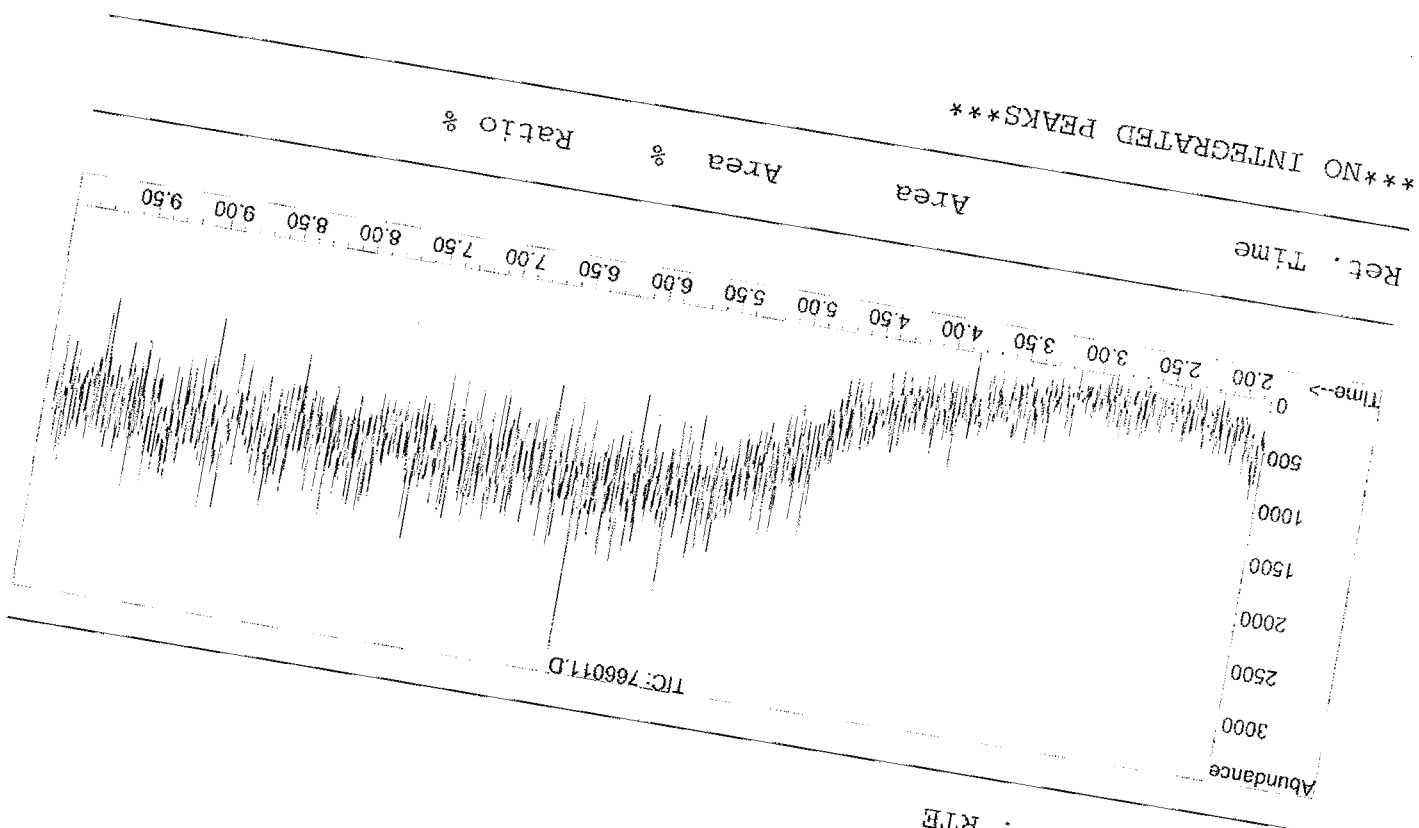


766011.D

Tue Dec 20 10:47:13 2011

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Folk_OIG_PRR_029079



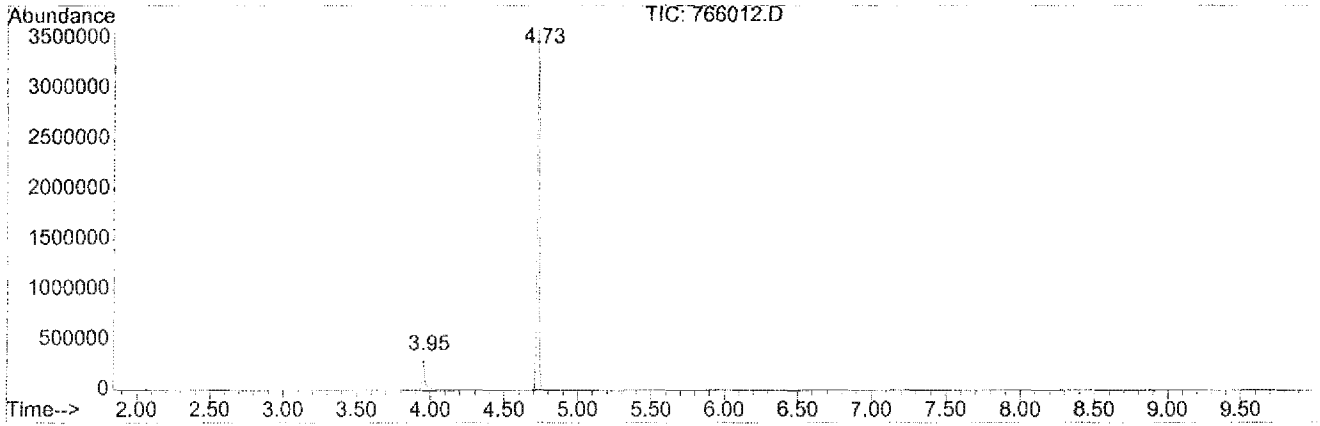
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Operator : ASD
Date Acquired : 18 Jan 2011 14:17
Sample Name : BLANK
Submitted by : DCS
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

Area Percent / Library Search Report

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
Operator : ASD
Date Acquired : 18 Jan 2011 14:31
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.948	460436	10.81	12.12
4.726	3800204	89.19	100.00

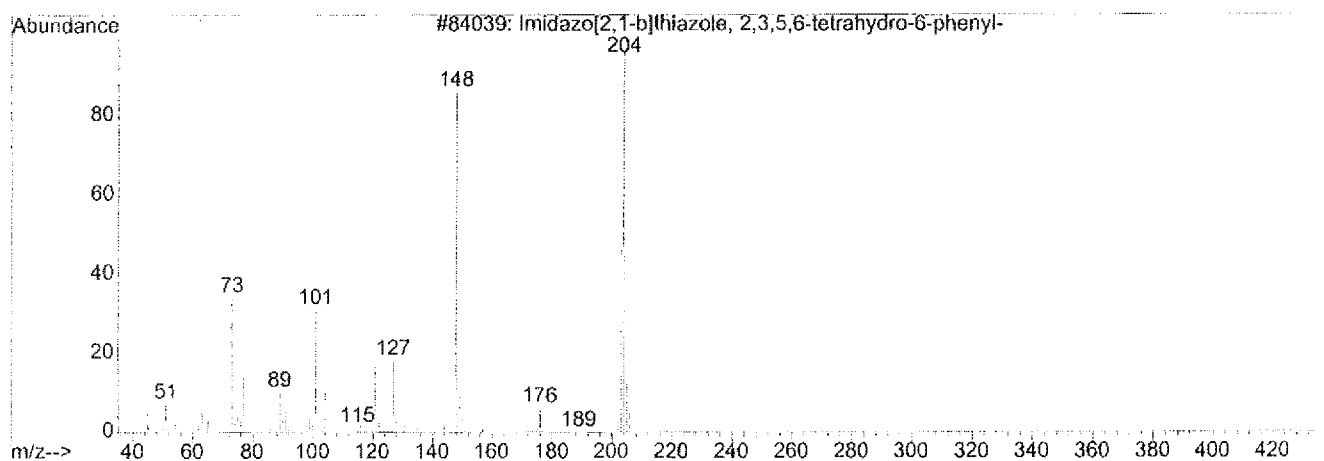
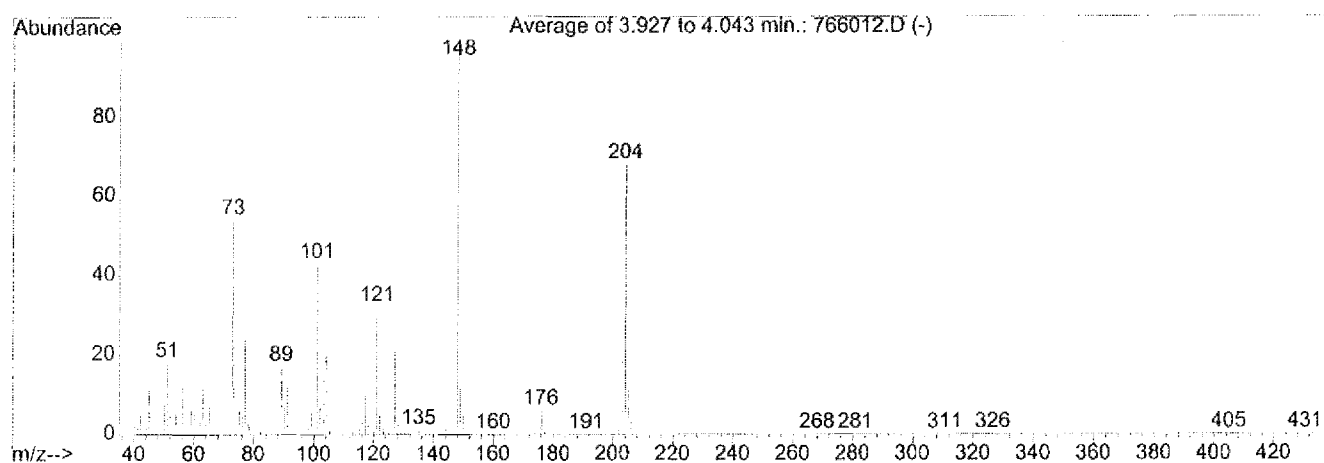
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 14:31
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.95	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



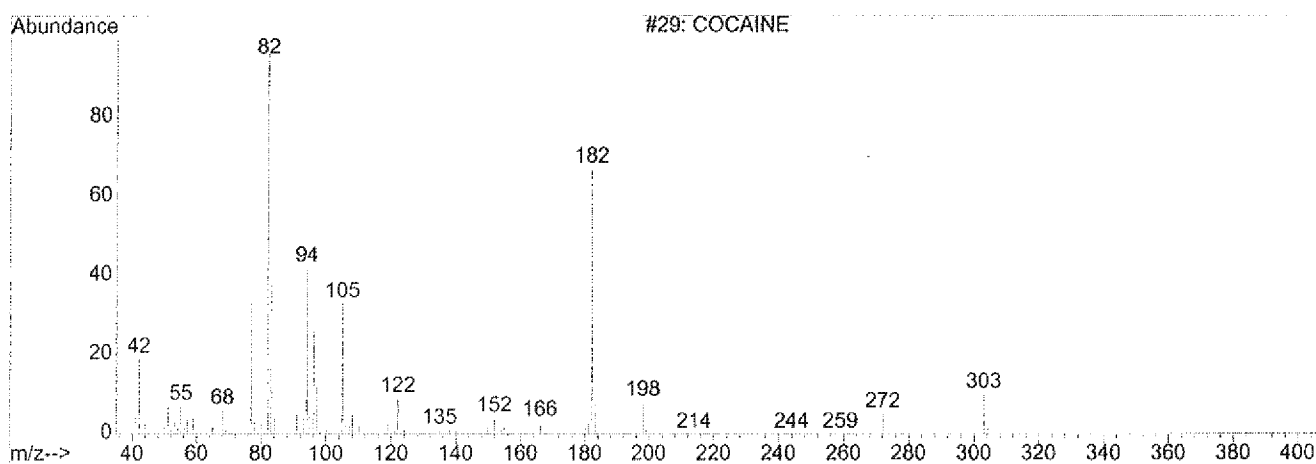
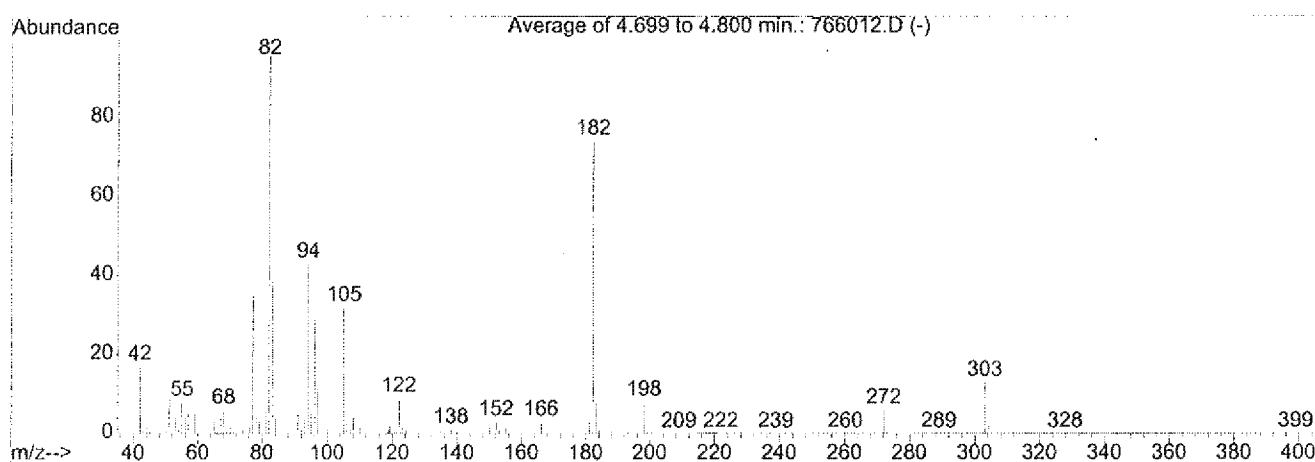
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 14:31
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	4.73	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

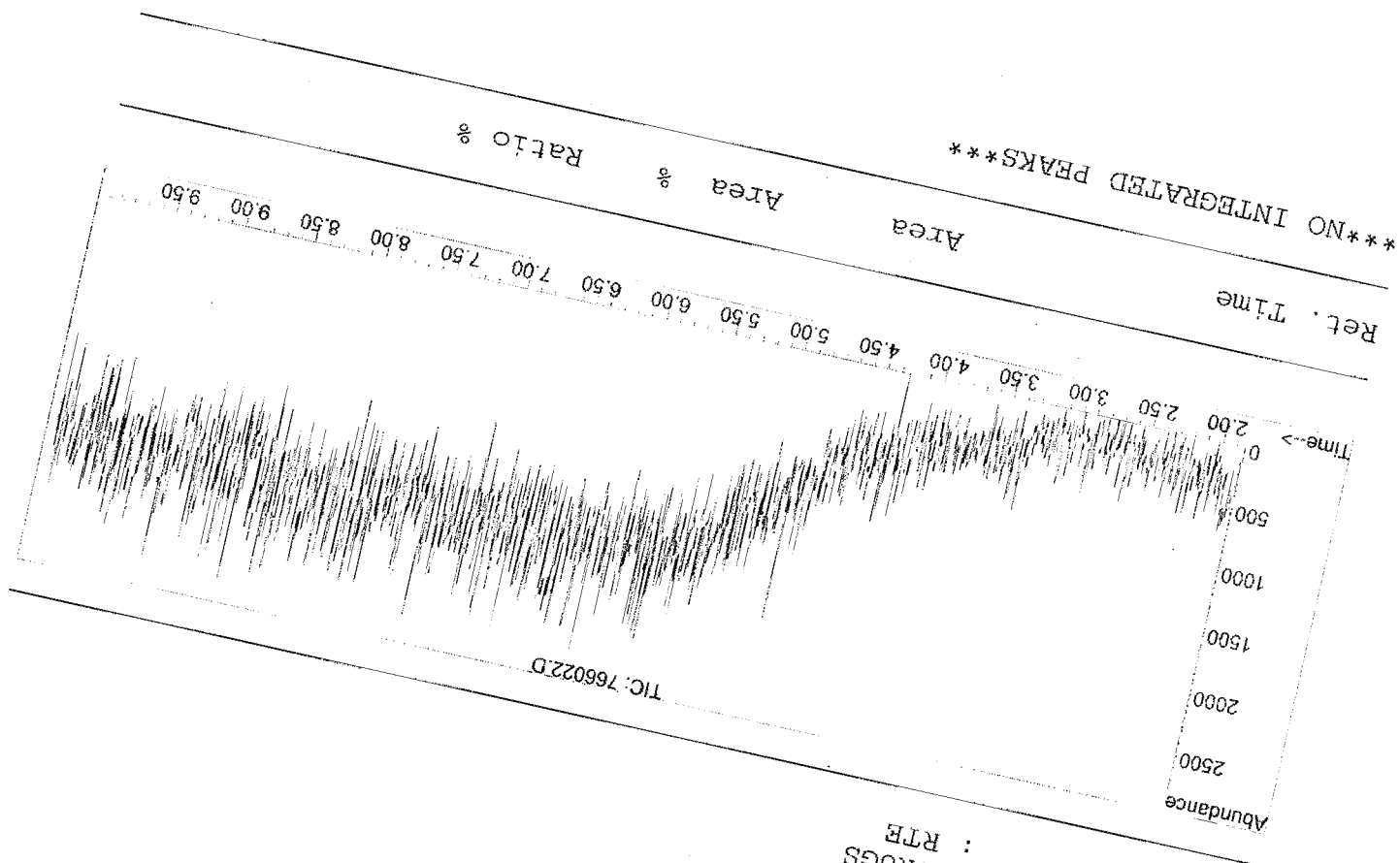


766022.D

Tue Dec 20 10:47:27 2011

Page 1

Folk_OIG_PRR_029083



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766022.D

Operator : ASD

Date Acquired : 18 Jan 2011 16:50

Sample Name : BLANK

Submitted by : DCS

Vial Number : 1

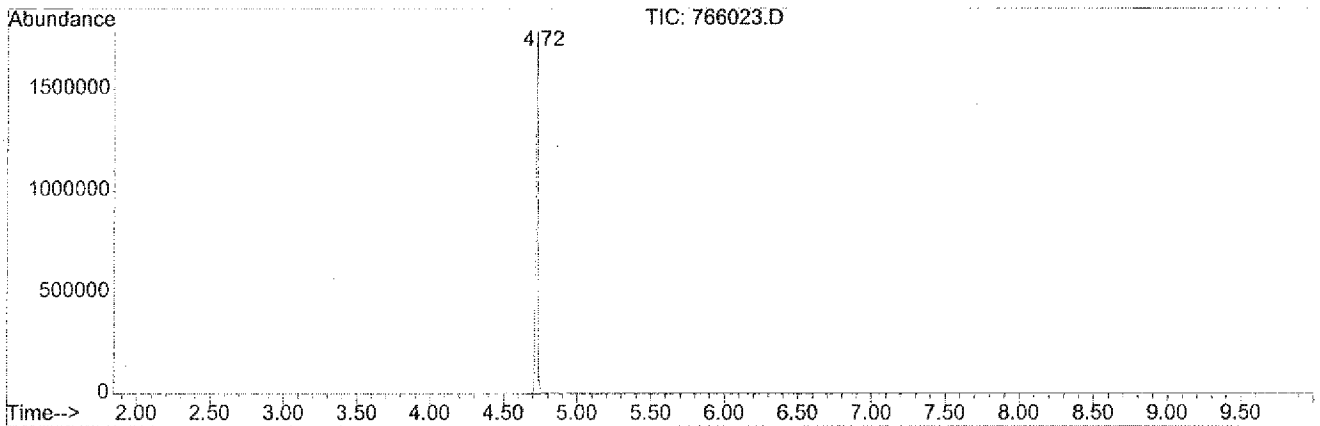
AcquisitionMeth: DRUGS

Integrator : RTE

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766023.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 17:03
 Sample Name : COCAINE STD
 Submitted by : DCS
 Vial Number : 23
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.723	1716684	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : D:\SYSTEM4\01_18_11\766023.D
Operator        : ASD
Date Acquired   : 18 Jan 2011  17:03
Sample Name     : COCAINE STD
Submitted by    : DCS
Vial Number     : 23
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

